

Resource Management Thoughts

Facilities Needed	Government	Academia	Private	Extension	Industry
Isolation	X	X	X		
small pens	X	X	X		
large pens		X	X	X	
paired houses				X	X
week on/week off					X

Research Priorities Poultry Meat Birds and Heavy Breeders

Bruce Stewart-Brown, DVM, dipl ACPV
Perdue Farms, Inc
Salisbury, MD

	Government	Academia	Private	Extension	Industry
Diseases affecting world trade	XXX	XX			
Diseases that are part of eradication programs	XXX	X			
Legislation on it is pending	XXX	X			
Best to spend your life studying	XXX	X			
Not so sexy, but need to stay after it	XXX	XX			
Immediate action required, won't take too long (5 years)		XX	XX	X	X
Need some pretty elaborate tools	XX	XX			
Need a lot of cross functional collaboration	X	XXX			
Needs to be shared openly for all to benefit	XXX	X			
Regional type problem		XX	X	X	X
Won't ever understand it unless it is done in the "real world"				XX	XX

Each fall at the annual United States Animal Health Association (USAHA) meeting there is a Transmissible Diseases of Poultry committee meeting.

	Problem/Disease		
Group	#1	#2	#3
Broiler	Infectious Laryngotracheitis	Runting Stunting Syndrome	Infectious Bronchitis Virus

1. (Phytosanitary) Export (disruptions)
2. Gas Prices
3. Feed/Nutrition
4. Welfare (activist activities)
5. Labeling claims (welfare, antibiotic use positions, etc)

Conf	AI	Mangmnt	Cocci	Viral	Bact	IBDV	Misc	Clostrid	IBV
AAAP 2008	37	15	12	14	10	15	5	5	8
AAAP 2009	23	12	14	16	11	10	5	15	14
WPDC 2007	23		13	3	8	5	11		5
WPDC 2008	7	17	8	3	5	3	2	4	3
WPDC 2009	6	12	2	2	3	3		5	1
DPI 2007	2	3							
DPI 2008		3							2
NCADC 2008	6	2		2	5	1	4	5	
NCADC 2009	4	4		1	1	2	5	2	
SCAD 2007	3	1		3		1			
SCAD 2009	2		3			2	6	1	3
TOTAL	113	69	52	44	43	42	38	37	36

Meeting Summary

- Clearly, Avian Influenza has been a significant topic of discussion over the past 2 years. Information on HP H5N1 has been very important for the poultry industry. Many other viruses have been studied and reported on.
- Coccidiosis, Infectious Bursal Disease, Clostridial Diseases, and Infectious Bronchitis would represent the rest of what we might refer to as “The Top Five” specific subjects discussed over the past 2 years.

Respiratory Research Priorities

- **Influenza**
- **Newcastle**
- **Infectious Bronchitis**
- **Laryngotracheitis**
- **Mycoplasma**

Gastrointestinal

- Coccidiosis
- Clostridial Disease
- Runting Stunting

Musculoskeletal and Integumentary

- **Leg problems**
- **Gangrenous Dermatitis (GD)**

Tumor Diseases

- **Marek's Disease**
- **Lymphoid Leukosis**

Food Safety

- **Salmonella**
- **Campylobacter**

Welfare

- **Lighting Programs (intensity and duration),**
- **Density**
- **Ammonia Control**
- **Catching and Transport**
- **Unloading**
- **Stunning (gas vs. electrical)**

Other

- **The availability of approved and efficacious drugs**
- **Appropriate and responsible use of antimicrobials**
- **Environmental impact** of any drugs (or feed ingredients of various kinds)
- **Management practices** are changing
- **Disease complexes and interactions**